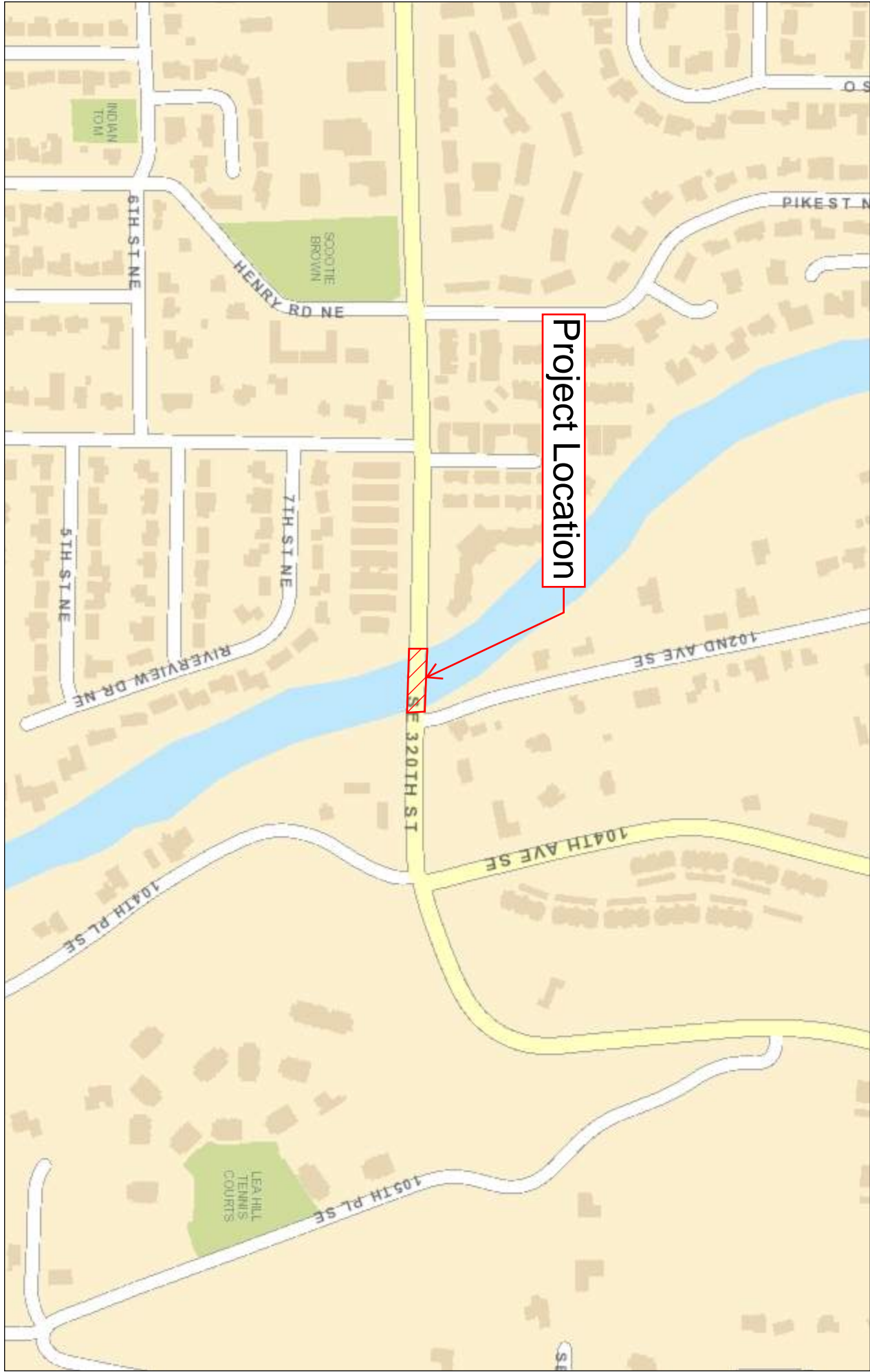


CP2007 - Lea Hill Rd Bridge Deck Preservation Vicinity Map

Printed Date: 5/28/2020
Map Created by City of Auburn egis
Imagery Date: May 2015



Project Location

666.7 0 333.3 666.7 Feet

NAD_1983_StatePlane_Washington_North_FIPS_4601_Feet

1in = 333 ft 1:4,000



Information shown is for general reference purposes only and does not necessarily represent exact geographic or cartographic data as mapped. The City of Auburn makes no warranty as to its accuracy.

BRIDGE INSPECTION REPORT

WO CC WE PD
BAM ☐ ☐ ☐ ☐

Status: Released

Ver Date 12/8/2010

Printed on: 12/17/2010

Agency: AUBURN

Program Mgr: Grant D. Griffin

Bridge No. AUBURN19

Page 1 of 3

Structure Type

Bridge Name LEE HILL BRIDGE

Route 00055

Intersecting

GREEN RIVER

Structure ID 08079700

MilePost 2.22

Location

.4 MI E HARVEY RD

Inspector's Signature RPH

IDent# D2000

Co-Inspector's Signature

MAH

										Inspections Performed:				
										IT	NT	HRS	Date	Rep Type
5	Structural Adqcy (657)	N	Pier/Abut/Protect (679)	1973					Year Built (332)					
2	Deck Geometry (658)	5	Scour (680)	0					Year Rebuilt (336)	Y	24	1.5	10/27/2010	Routine
9	Underclearance (659)	6	Approach Rdwy (681)	F 99					Oper Rating (551)					Fract Crit
5	Operating Level (660)	7	Retaining Walls (682)	F 63					Inv Rating (554)					Underwater
8	Alignment Adqcy (661)	9	Pier Protection (683)	A					Open Close (293)					Special
8	Waterway Adqcy (662)	1	Bridge Rails (684)	9999					Vert Over Deck (360)					Interim
5	Deck Overall (663)	0	Transition (685)	0000					Vert Under (374)	Y	72	2.0	10/21/2008	Equipment
9	Drains Condition (664)	0	Guardrails (686)	N					Vert Und Code (378)					Damage
5	Superstructure (671)	0	Terminals (687)	0.00					Asphalt Depth					Safety
1	Number Utilities (675)	N	Revise Rating (688)						Speed Limit					Short Span
6	Substructure (676)		Photos Flag (691)							Total: 1.5				
7	Chan/Protection (677)		Soundings Flag (693)							Suff Rating: 52.28 FO				
9	Culvert (678)		Measure Clearance (694)							52.13 FO				

BMS Elements 12 to 404

Element	Element Description	Total	Units	State 1	State 2	State 3	State 4
12	Concrete Deck	6,240	SF	3,240	0	3,000	0
105	Concrete Box Girder	130	LF	130	0	0	0
215	Concrete Abutment	96	LF	96	0	0	0
321	Concrete Roadway Approach Slab	4,800	EA	4,800	0	0	0
330	Metal Bridge Railing	260	LF	260	0	0	0
404	Compression Seal / Concrete Header	96	LF	0	0	96	0

Notes 0 to 686

0

Orientation

Bridge is oriented West to East. West abutment = pier 1. River flow is to the north.

12

Deck

Some minor spalling at north longitudinal joint between lanes.

Extensive diagonal and transverse hairline cracks throughout deck more concentrated at ends of bridge.

Map cracking, particularly at middle 2 lanes and east and west 1/3 of span.

Deck has exposed aggregate-some mud ball voids scattered throughout.

BRIDGE INSPECTION REPORT

WO CC WE PD
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Agency: AUBURN
Program Mgr: Grant D. Griffin

Bridge No. AUBURN19

Page 2 of 3

Structure Type

Bridge Name LEE HILL BRIDGE

Route 00055

Intersecting GREEN RIVER

Structure ID 08079700

MilePost 2.22

Location .4 MI E HARVEY RD

Notes 0 to 686

105

Concrete Box Girder

Bottom Flange: Numerous longitudinal patches about 10' from box girder edges and middle of bridge; leaching transverse and longitudinal cracks at 1/3 span; multiple transverse cracks near midspan.

SE corner: 3'x1' strip of patched concrete is partially delaminated and wicking moisture.

A 4'x1' patch near corner is partially delaminated.

SW corner: Transverse and longitudinal cracks leaking water ~30' from west abutment towards mid-span.

NE corner: 2' x 6' strip of patched concrete is delaminated and spalling.

Web:

Vertical hairline cracks on rounded box girder corners spaced ~ 9". Some small open spalls ~4-6" diameter.

NE corner has ~1/8" crack at construction joint along sidewalk soffit and abutment.

215

Abutment

Vertical hairline cracks on pier 1 at midspan and 1/4 span extend 7' in height from the soil line.

Hairline diagonal crack between abutment haunch and box girder.

Heavy leaching at vertical abutment joints.

Full width transverse crack abutment 1 SW face 2' below box girder interface.

321

Approach Slab:

The western approach roadway has moved approximately 2" transversely to the south relative to the bridge.

330

Metal Bridge Rail:

Paint on rail is failed throughout.

404

Compression Seal

D-spalls along length of eastbound lane at east approach.

West and east compression seal joints are loose and torn throughout length.

West and east end approach slab-roadway joints are failed, areas of sealant is missing, joints are filled with debris and vegetation. See w-o 1996-054B.

673

Sidewalk

Void repairs under the NW and NE approach sidewalks are stable and holding.

BRIDGE INSPECTION REPORT

	WO	CC	WE	PD		Ver Date 12/8/2010	Agency: AUBURN
BAM					Status: Released	Printed on: 12/17/2010	Program Mgr: Grant D. Griffin

Bridge No. AUBURN19	Page 3 of 3	Structure Type
Bridge Name LEE HILL BRIDGE	Route 00055	Intersecting GREEN RIVER
Structure ID 08079700	MilePost 2.22	Location .4 MI E HARVEY RD

Notes 0 to 686

675
Utilities

An abandoned copper line is loosely suspended along the outside north deck.

680
Scour

Change was not measured. Thalweg is 30' from top of deck. Some woody debris visibly accumulating in channel.

682
Retaining Walls

The gap at the joint between the abutment wall and retaining wall tapers from top to bottom at the NW, SW, and NE corners. SW wall has 2 diagonal cracks, which are widest at bottom and taper off toward top of wall.

Diagonal, leaching cracks have occurred at

NE and SW corners have diagonal leaching cracks in retaining walls.

686
Guardrail

NW approach rail has sustained traffic impact.

4th and 5th posts are pushed loose and rail is deformed.

Repairs to

Repair No	Pr	R	Repair Description	Date Noted	Verified

Inspections Performed and Resources Required

Report Type	Date	IT	Frq	Hrs	Insp	CertNo	Coinsp	Note
Routine	10/27/2010	Y	24	1.5	RPH	D2000	MAH	
Equipment	10/21/2008		72	2.0	BDB	G0514	JMO	
Resources	Use	Hours	Min	Req	Max	Notes		
UBIT	50					Used SDOT's UBIT		

Sticky Notes

Creator	Created	Table Reference	Notes

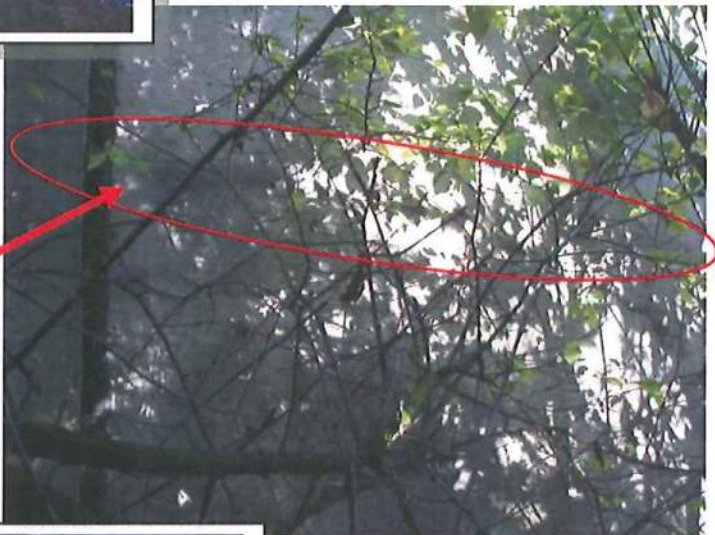
City of Auburn – Lee Hill Bridge

No. Auburn19 Inspected October 27, 2010



Looking south to
abutment 1.

Crack in SE corner
abutment 1.



SW corner abutment sloughing
corner.



City of Auburn – Lee Hill Bridge

No. Auburn19 Inspected October 27, 2010



Spall with exposed rebar
NE corner in soffit.

Missing seal south
approach joint.



Diagonal and transverse
cracking throughout deck
surface.



BRIDGE INSPECTION REPORT

WO CC WE PD
BAM

Status: Released

Ver Date 12/5/2012

Printed on: 1/31/2013

Agency: AUBURN

Program Mgr: Grant D. Griffin

Bridge No. AUBURN19

Page 1 of 4

Structure Type

Bridge Name LEE HILL BRIDGE

Route 00055

Intersecting GREEN RIVER

Structure ID 08079700

MilePost 2.22

Location .4 MI E HARVEY RD

Inspector's Signature MAH

IDent# G1103

Co-Inspector's Signature

DR

										Inspections Performed:				
										IT	NT	HRS	Date	Rep Type
5		Structural Adqcy (657)	N		Pier/Abut/Protect (679)	1973		Year Built (332)						
2	5	Deck Geometry (658)	5		Scour (680)	0		Year Rebuilt (336)		Y	24	1.5	10/25/2012	Routine
9		Underclearance (659)	6		Approach Rdwy (681)	F 99		Oper Rating (551)						Fract Crit
5		Operating Level (660)	7		Retaining Walls (682)	F 63		Inv Rating (554)						Underwater
8		Alignment Adqcy (661)	9		Pier Protection (683)	A		Open Close (293)						Special
8		Waterway Adqcy (662)	1		Bridge Rails (684)	9999		Vert Over Deck (360)						Interim
5		Deck Overall (663)	0		Transition (685)	0000		Vert Under (374)		Y	72	2.0	10/21/2008	Equipment
9		Drains Condition (664)	0	1	Guardrails (686)	N		Vert Und Code (378)						Damage
5		Superstructure (671)	0	1	Terminals (687)	0.00		Asphalt Depth						Safety
1		Number Utilities (675)	N		Revise Rating (688)		35	Speed Limit						Short Span
6		Substructure (676)			Photos Flag (691)					Total: 1.5				
7		Chan/Protection (677)			Soundings Flag (693)					Suff Rating: 52.13 FO				
9		Culvert (678)			Measure Clearance (694)					75.85				

BMS Elements 12 to 404

Element	Element Description	Total	Units	State 1	State 2	State 3	State 4
12	Concrete Deck	6,240	SF	3,240	0	3,000	0
105	Concrete Box Girder	130	LF	126	4	0	0
215	Concrete Abutment	96	LF	96	0	0	0
321	Concrete Roadway Approach Slab	4	EA	4	0	0	0
330	Metal Bridge Railing	260	LF	260	0	0	0
361	Scour	0	EA	0	0	0	0
403	Poured Rubber and Bulb-T	96	LF	0	0	26	70
404	Compression Seal / Concrete Header	96	LF	0	0	96	0

Notes 0 to 686

0

ORIENTATION:

Bridge is West to East. West abutment = pier 1.

River flow is to the north.

BRIDGE INSPECTION REPORT

WO CC WE PD
BAM

Status: Released

Ver Date 12/5/2012

Printed on: 1/31/2013

Agency: AUBURN

Program Mgr: Grant D. Griffin

Bridge No. AUBURN19

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Structure Type

Bridge Name LEE HILL BRIDGE

Route 00055

Intersecting GREEN RIVER

Structure ID 08079700

MilePost 2.22

Location .4 MI E HARVEY RD

Notes 0 to 686

12

CONCRETE DECK:

Some minor spalling at north longitudinal joint in west bound lanes.

Extensive diagonal and transverse narrow cracks throughout deck - more concentrated at ends of bridge.

Map cracking, particularly at middle 2 lanes and east and west 1/3 of span.

Wheel lines have exposed aggregate with areas of light scaling, mud ball voids scattered throughout.

Areas of ponding along both curbs.

See Repair 10003

105

CONCRETE BOX GIRDER:

BOTTOM FLANGE:

Numerous longitudinal patches about 10' from box girder edges and middle of bridge; leaching transverse and longitudinal cracks at 1/3 span; multiple transverse cracks near midspan.

SE Corner - 3'x1' strip of patched concrete is partially delaminated and wicking moisture.

A 4'x1' patch near corner is partially delaminated.

SW Corner - Transverse and longitudinal cracks leaking water ~30' from west abutment towards mid-span.

NE Corner - 2' x 6' strip of patched concrete is delaminated and spalling.

WEB:

Vertical hairline cracks on rounded box girder corners spaced ~ 9". Some small open spalls ~4-6" diameter.

NE corner has ~1/8" crack at construction joint along sidewalk soffit and abutment.

215

ABUTMENT:

Heavy leaching at vertical abutment joints.

ABUT 1 - several vertical hairline cracks mid and quarter span.

Hairline diagonal cracks between abutment haunch and box girder.

ABUT 2 - full width transverse crack SW face 2' below box girder interface.

321

APPROACH SLAB:

The western approach roadway has moved approximately 2" transversely to the south relative to the bridge.

Slabs have diagonal and pattern cracking.

330

METAL BRIDGE RAIL:

Paint is failed throughout.

BRIDGE INSPECTION REPORT

WO CC WE PD
BAM

Status: Released

Ver Date 12/5/2012

Printed on: 1/31/2013

Agency: AUBURN

Program Mgr: Grant D. Griffin

Bridge No. AUBURN19

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Structure Type

Bridge Name LEE HILL BRIDGE

Route 00055

Intersecting GREEN RIVER

Structure ID 08079700

MilePost 2.22

Location .4 MI E HARVEY RD

Notes 0 to 686

361

SCOUR - FIELD:

Channel is moderate flow to the north. Banks are covered with vegetation, some areas of slumping downstream.

Bottom is silty with woody debris. Rip Rap in channel near abutments, does not extend to banks at abutments.

Thalweg is 28' from top of deck.

403

POURED RUBBER SEAL:

Seals at approach slabs are completely failed. 70% of seal is missing, joints are filled with debris.

See Repair -10001

404

COMPRESSION SEAL:

D-spalls along length of eastbound lane at east approach.

West and east end compression seals are failed. Both seals are loose, torn and filled with debris and vegetation.

See Repair - 10001

673

SIDEWALK:

NE - void repairs under the approach sidewalk,

NW - concrete panel at corner is cracked and broken. Panel is undermined 30" from the north side. See Repair 10002.

675

UTILITIES:

North side, 8" gas line with expansion joints.

680

SCOUR:

Channel is moderate flow to the north. Banks are covered with vegetation, some areas of slumping downstream.

Bottom is silty with woody debris. Rip Rap in channel near abutments, does not extend to banks at abutments.

Thalweg is 28' from top of deck.

682

RETAINING WALL:

Corners at NW, NE, and SW - gap at the joint between the abutment wall and retaining wall widest tapers widest at bottom.

SW and NE have some diagonal leaching cracks. Cracks are widest at bottom and taper to hairline at top of wall.

686

GUARDRAIL:

New NW Rail and terminal.

BRIDGE INSPECTION REPORT

WO CC WE PD
 BAM ☐ ☐ ☐ ☐ Status: Released

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Agency: AUBURN

Program Mgr: Grant D. Griffin

Bridge No. AUBURN19

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Structure Type

Bridge Name LEE HILL BRIDGE

Route 00055

Intersecting GREEN RIVER

Structure ID 08079700

MilePost 2.22

Location .4 MI E HARVEY RD

Repairs 10001 to 10003

Repair No	Pr	R	Repair Description	Date Noted	Verified
10001	1	B	JOINT: (revised 10/2012) Failed joint filler and compression seals. 1. Clean joints thoroughly. 2. Replace compression seals. 3. Apply poured rubber seals to approach slab joints.	4/11/1996	
10002	1	B	SIDEWALK: (revised 10/2012) Voided areas under NW sidewalk. 1. remove broken sidewalk panel. 2. Drive sheet pile along voided area to retain fill. 3. Fill void area with crushed rock or CDF. 4. Pour new sidewalk panel.	6/24/1996	
10003	1	B	DECK: (revised 10/2012) Narrow to open cracks with areas of scaling and spalls developing throughout deck surface. 1. Epoxy coat the entire bridge deck to seal all cracks. Approximate deck square footage is 10,500 sf.	7/30/2002	

Inspections Performed and Resources Required

Report Type	Date	IT	Frq	Hrs	Insp	CertNo	Coinsp	Note
Routine	10/25/2012	Y	24	1.5	MAH	G1103	DR	
Equipment	10/21/2008		72	2.0	BDB	G0514	JMO	
Resources	Use	Hours	Min	Req	Max	Notes		
UBIT	50					Used SDOT's UBIT		

Sticky Notes

Creator	Created	Table Reference	Notes
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BRIDGE INSPECTION REPORT

BAM

WO	CC	WE	PD

 Status: Released

Ver Date: 12/5/2012

Printed on: 2/7/2013

Agency: AUBURN

Program Mgr: Grant D. Griffin

Bridge No. AUBURN19

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Structure Type

Bridge Name LEE HILL BRIDGE

Route 00055

Intersecting GREEN RIVER

Structure ID 08079700

MilePost 2.22

Location .4 MI E HARVEY RD

AUBURN19 ELEVATION

Photographs

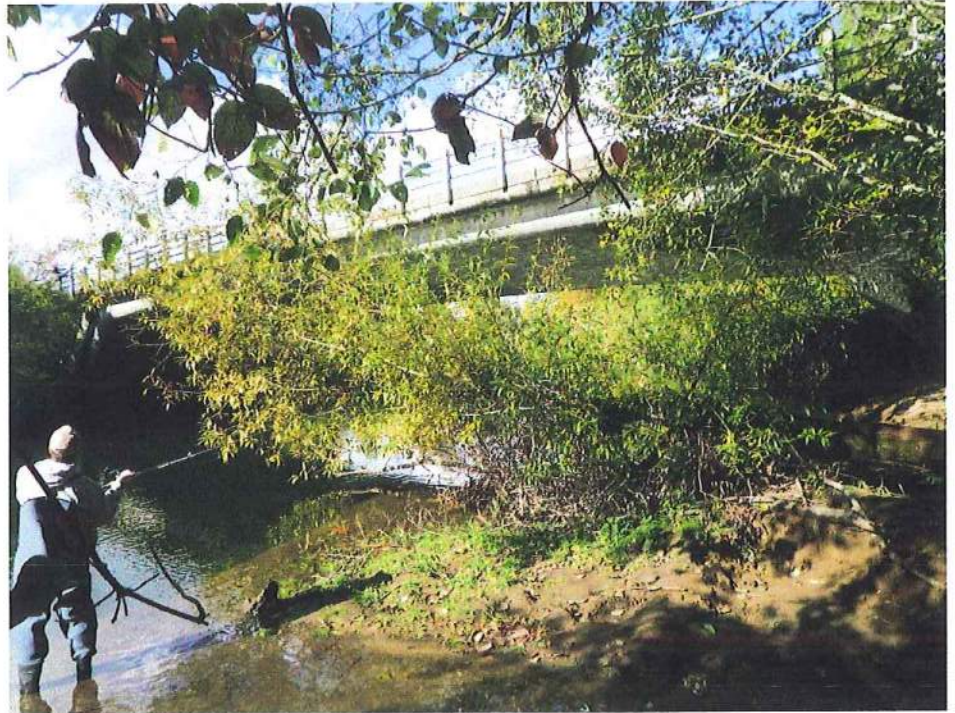
Photo Type: E - Elevation

Orientation: NW

Dates: 10/24/2012

Repairs:

North face



AUBURN19 ELEVATION

Photographs

Photo Type: E - Elevation

Orientation: E

Dates: 10/24/2012

Repairs:

South face



BRIDGE INSPECTION REPORT

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Bridge No. AUBURN19

Bridge Name LEE HILL BRIDGE

Structure ID 08079700

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Route 00055

MilePost 2.22

Structure Type

Intersecting GREEN RIVER

Location .4 MI E HARVEY RD

AUBURN19 APPROACH WEST

Photographs

Photo Type: D - Deck

Orientation: E

Dates: 10/24/2012

Repairs:

New guardrail and terminal end NW corner



AUBURN19 APPROACH

Photographs

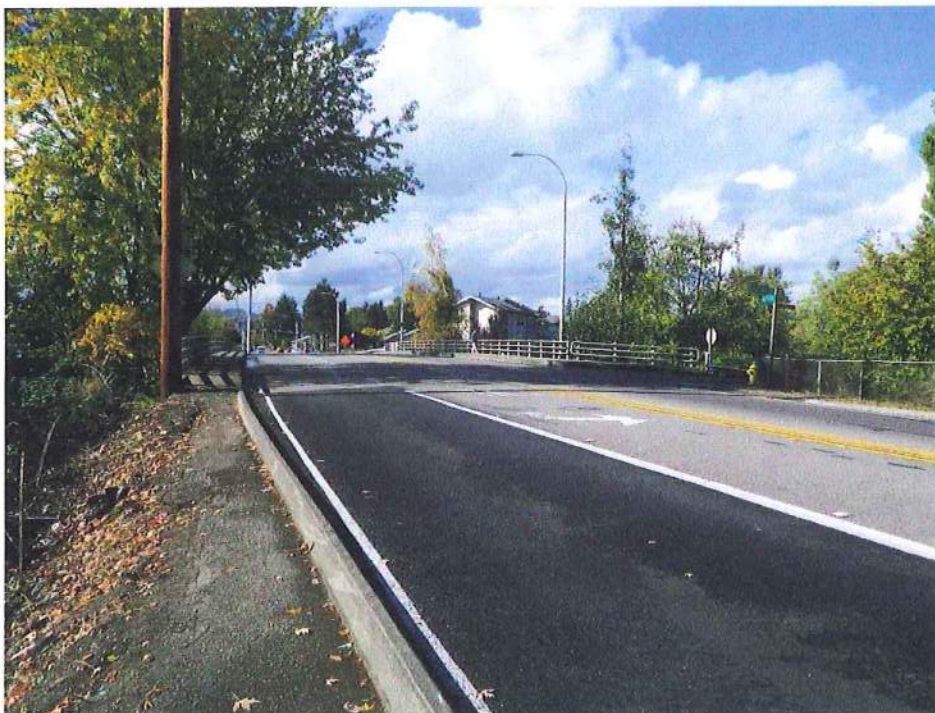
Photo Type: D - Deck

Orientation: W

Dates: 10/24/2012

Repairs:

East approach



BRIDGE INSPECTION REPORT

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Bridge No. AUBURN19

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Structure Type

Bridge Name LEE HILL BRIDGE

Route 00055

Intersecting GREEN RIVER

Structure ID 08079700

MilePost 2.22

Location .4 MI E HARVEY RD

AUBURN19 DECK CRACKING

Photographs

Photo Type: R - Repair

Orientation: S

Dates: 10/24/2012

Repairs:

Numerous cracks and some spalling
westbound lane mid span



AUBURN19 DECK SCALING

Photographs

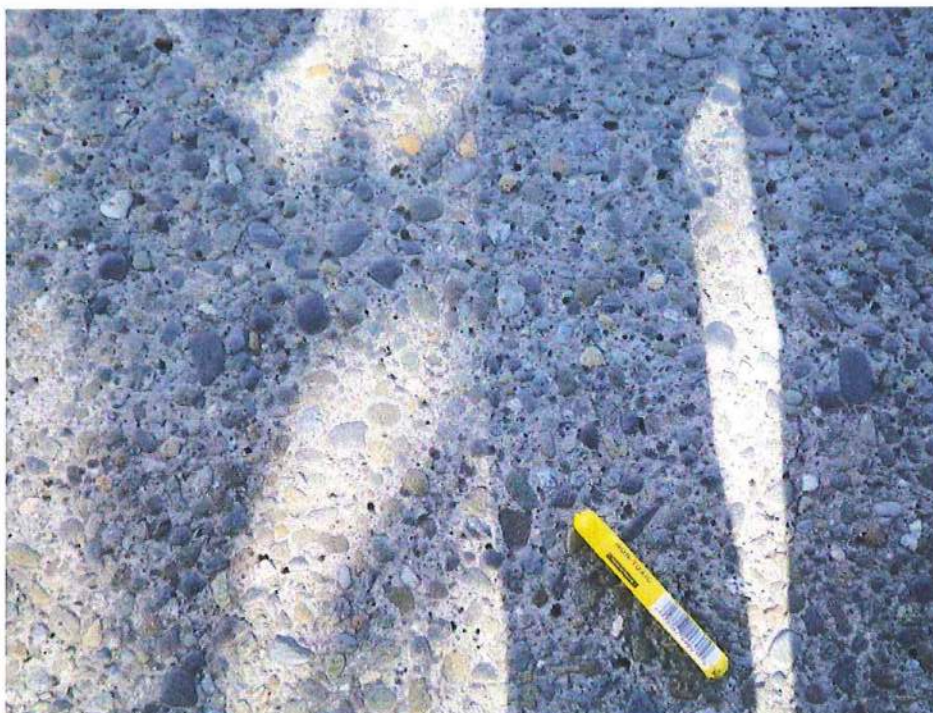
Photo Type: D - Deck

Orientation: DN

Dates: 10/24/2012

Repairs:

Scaling throughout deck surface
photo at SE corner



BRIDGE INSPECTION REPORT

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Bridge No. AUBURN19

Bridge Name LEE HILL BRIDGE

Structure ID 08079700

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Route 00055

MilePost 2.22

Structure Type

Intersecting GREEN RIVER

Location .4 MI E HARVEY RD

AUBURN19 DECK_1

Photographs

Photo Type: D - Deck

Orientation: DN

Dates: 10/24/2012

Repairs:

Open crack SW end of deck surface



AUBURN19 DECK

Photographs

Photo Type: R - Repair

Orientation: DN

Dates: 10/24/2012

Repairs:

Spall mid westboun lane



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Bridge No. AUBURN19

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Structure Type

Bridge Name LEE HILL BRIDGE

Route 00055

Intersecting GREEN RIVER

Structure ID 08079700

MilePost 2.22

Location .4 MI E HARVEY RD

AUBURN19 DECK PONDING

Photographs

Photo Type: D - Deck

Orientation: E

Dates: 10/24/2012

Repairs:

Ponding areas along both north and south curb



AUBURN19 JOINT W APPROACH

Photographs

Photo Type: R - Repair

Orientation: N

Dates: 10/24/2012

Repairs:

West approach slab joint no seal



BRIDGE INSPECTION REPORT

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BAM ☐ ☐ ☐ ☐ Status: **Released**

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Bridge No. AUBURN19

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Structure Type

Bridge Name LEE HILL BRIDGE

Route 00055

Intersecting GREEN RIVER

Structure ID 08079700

MilePost 2.22

Location .4 MI E HARVEY RD

AUBURN19 JOINT

Photographs

Photo Type: R - Repair

Orientation: DN

Dates: 10/24/2012

Repairs:

West approach slab to deck no seal
in place



AUBURN19 CURB

Photographs

Photo Type: G - General

Orientation: DN

Dates: 10/24/2012

Repairs:

NE corner curb spalls



BRIDGE INSPECTION REPORT

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Bridge No. AUBURN19

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Structure Type

Bridge Name LEE HILL BRIDGE

Route 00055

Intersecting GREEN RIVER

Structure ID 08079700

MilePost 2.22

Location .4 MI E HARVEY RD

AUBURN19 RAIL

Photographs

Photo Type: R - Repair

Orientation: W

Dates: 10/24/2012

Repairs:

Failing paint on metal bridge rail



AUBURN19 SIDEWALK

Photographs

Photo Type: R - Repair

Orientation: E

Dates: 10/24/2012

Repairs:

NW corner sidewalk at bridge deck



BRIDGE INSPECTION REPORT

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Bridge No. AUBURN19

Bridge Name LEE HILL BRIDGE

Structure ID 08079700

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Route 00055

MilePost 2.22

Structure Type

Intersecting GREEN RIVER

Location .4 MI E HARVEY RD

AUBURN19 SIDEWALK _1

Photographs

Photo Type: R - Repair

Orientation: N

Dates: 10/24/2012

Repairs:

NW sidewalk at bridge deck



AUBURN19 SIDEWALK NW CORNER

Photographs

Photo Type: R - Repair

Orientation: S

Dates: 10/24/2012

Repairs:

Undermined at bridge deck



BRIDGE INSPECTION REPORT

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 Status: **Released**

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Program Mgr: Grant D. Griffin

Bridge No. AUBURN19

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Structure Type

Bridge Name LEE HILL BRIDGE

Route 00055

Intersecting GREEN RIVER

Structure ID 08079700

MilePost 2.22

Location .4 MI E HARVEY RD

AUBURN19 SIDEWALK NW CORNER

Photographs

Photo Type: R - Repair

Orientation: S

Dates: 10/24/2012

Repairs:

Underminded 24"



AUBURN19 ABUTMENT 1

Photographs

Photo Type: G - General

Orientation: W

Dates: 10/24/2012

Repairs:

Abutment 1 over channel



BRIDGE INSPECTION REPORT

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 Status: **Released**

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Bridge No. AUBURN19

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Structure Type

Bridge Name LEE HILL BRIDGE

Route 00055

Intersecting GREEN RIVER

Structure ID 08079700

MilePost 2.22

Location .4 MI E HARVEY RD

AUBURN19 ABUTMENT 2

Photographs

Photo Type: G - General

Orientation: E

Dates: 10/24/2012

Repairs:

Abutment 2 over channel



AUBURN19 ABUT 2

Photographs

Photo Type: G - General

Orientation: UP

Dates: 10/24/2012

Repairs:

Leaching crack NE corner abutment

2



BRIDGE INSPECTION REPORT

WO CC WE PD
BAM ☐ ☐ ☐ ☐

Status: **Released**

Ver Date: 12/5/2012

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Agency: AUBURN

Program Mgr: Grant D. Griffin

Bridge No. AUBURN19

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Structure Type

Bridge Name LEE HILL BRIDGE

Route 00055

Intersecting GREEN RIVER

Structure ID 08079700

MilePost 2.22

Location .4 MI E HARVEY RD

AUBURN19 CHANNEL

Photographs

Photo Type: G - General

Orientation: N

Dates: 10/24/2012

Repairs:

Channel bank at abutment 1



AUBURN19 CHANNEL_1

Photographs

Photo Type: G - General

Orientation: DN

Dates: 10/24/2012

Repairs:

Rip rap along abutment 1



BRIDGE INSPECTION REPORT

BAM

WO	CC	WE	PD

Status: **Released**

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Bridge No. AUBURN19

Bridge Name LEE HILL BRIDGE

Structure ID 08079700

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Route 00055

MilePost 2.22

Structure Type

Intersecting GREEN RIVER

Location .4 MI E HARVEY RD

AUBURN19 CHANNEL

Photographs

Photo Type: G - General

Orientation: DN

Dates: 10/24/2012

Repairs:

Rip rap at waterline north end
abutment 1



BRIDGE INSPECTION REPORT

WO CC WE PD
BAM ☐ ☐ ☐ ☐ Status: Released

Ver Date: 12/5/2012
Printed on: 2/7/2013

Agency: AUBURN
Program Mgr: Grant D. Griffin

Bridge No. AUBURN19
Bridge Name LEE HILL BRIDGE
Structure ID 08079700

Page 13 of 13
Route 00055
MilePost 2.22

Structure Type
Intersecting GREEN RIVER
Location .4 MI E HARVEY RD

Entry Name	Folder Name	Type	Repairs	Pag
AUBURN19 ABU	Photographs	G		1
AUBURN19 ABU	Photographs	G		
AUBURN19 ABU	Photographs	G		1
AUBURN19 APP	Photographs	D		
AUBURN19 APP	Photographs	D		
AUBURN19 CHA	Photographs	G		1
AUBURN19 CHA	Photographs	G		1
AUBURN19 DEC	Photographs	R		
AUBURN19 ELE	Photographs	E		
AUBURN19 JOIN	Photographs	R		
AUBURN19 SIDE	Photographs	R		
AUBURN19 SIDE	Photographs	R		
AUBURN19 CHA	Photographs	G		1
AUBURN19 CUR	Photographs	G		
AUBURN19 DECK	Photographs	R		
AUBURN19 DECK	Photographs	D		
AUBURN19 DECK	Photographs	D		
AUBURN19 DECK	Photographs	D		
AUBURN19 ELEV	Photographs	E		
AUBURN19 JOIN	Photographs	R		
AUBURN19 RAIL	Photographs	R		
AUBURN19 SIDE	Photographs	R		
AUBURN19 SIDE	Photographs	R		

BRIDGE INSPECTION REPORT

Ver Date: 12/18/2014

Agency: AUBURN

Status: **Released**

Printed On: 12/18/20

Program Mgr: Roman G. Peralta

Bridge No. AUBURN19

Page: 1/3

Structure Type

Bridge Name LEE HILL BRIDGE

Route 00055

Location .4 MI E HARVEY RD

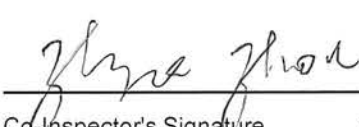
Structure ID 08079700

MilePost 2.22

Intersecting GREEN RIVER

Inspector's Signature  MAH

IDent# G1103

Cd-Inspector's Signature  ZZ

										Inspections Performed				
5		Structural Adqcy (657)	N		Pier/Abut/Protect (679)	1973	Year Built (332)			IT	NT	HRS	Date	Rep Type
5		Deck Geometry (658)	5		Scour (680)	0	Year Rebuilt (336)			Y	24	1.0	10/02/2014	Routine
9		Underclearance (659)	7		Retaining Walls (682)	99	Oper Rating (551)							Fract Crit
5		Operating Level (660)	9		Pier Protection (683)	63	Inv Rating (554)							Underwater
8		Alignment Adqcy (661)	1		Bridge Rails (684)	A	Open Close (293)							Special
8		WaterwayAdqcy (662)	0		Transition (685)	9999	Vert Over Deck (360)							Interim
5		Deck Overall (663)	1		Guardrails (686)	0000	Vert Under (374)			Y	72	1.0	10/02/2014	Equipment
9		Drains Condition (664)	1		Terminals (687)	N	Vert Und Code (378)							Damage
5		Superstructure (671)	N		Revise Rating (688)	0.00	Asphalt Depth							Safety
1		Number Utilities (675)			Photos Flag (691)	35	Speed Limit							Short Span
6		Substructure (676)			Soundings Flag (693)					Total: 2.0				
7		Chan/Protection (677)			Measure Clearance (694)									
9		Culvert (678)								Suff Rating: 75.85				
										75.38				

BMS Elements

Element	Element Description	Total	Units	State 1	State 2	State 3	State 4
12	Concrete Deck	6240	SF	3240	0	3000	0
105	Concrete Box Girder	130	LF	126	4	0	0
215	Concrete Abutment	96	LF	96	0	0	0
321	Concrete Roadway Approach Slab	4	SF	4	0	0	0
330	Metal Bridge Railing	260	LF	260	0	0	0
361	Scour	0	EA	0	0	0	0
403	Poured Rubber and Bulb-T	96	LF	0	0	26	70
404	Compression Seal / Concrete Header	96	LF	0	0	96	0

Notes

0	ORIENTATION: Bridge is West to East. West abutment = pier 1. River flow is to the north.
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BRIDGE INSPECTION REPORT

Ver Date: 12/18/2014

Agency: AUBURN

Status: Released

Printed On: 12/18/20

Program Mgr: Roman G. Peralta

Bridge No. AUBURN19	Page: 2/3	Structure Type
Bridge Name LEE HILL BRIDGE	Route 00055	Location .4 MI E HARVEY RD
Structure ID 08079700	MilePost 2.22	Intersecting GREEN RIVER

12	CONCRETE DECK: Some minor spalling at north longitudinal joint in west bound lanes. Extensive diagonal and transverse narrow cracks throughout deck - more concentrated at ends of bridge. Map cracking, particularly at middle 2 lanes and east and west 1/3 of span. Wheel lines have exposed aggregate with areas of light scaling, mud ball voids scattered throughout. Areas of ponding along both curbs. See Repair 10003
105	CONCRETE BOX GIRDER: BOTTOM FLANGE: Numerous longitudinal patches approx 10' from box girder edges and middle of bridge; leaching transverse and longitudinal cracks at 1/3 span; multiple transverse cracks near midspan. SE Corner - 4'x1' patch near corner is partially delaminated. 2'x2' spalled area with failed patch remnants, exposed rusted rebars in spill. NE Corner - 2' x 6' strip of patched concrete is delaminated and spalling. WEB: Vertical hairline cracks on rounded box girder corners spaced ~ 9". Some small open spalls ~4-6" diameter. NE corner has ~1/8" crack at construction joint along sidewalk soffit and abutment.
215	CONCRETE ABUTMENT: Heavy leaching at vertical abutment joints. ABUT 1 - several vertical hairline cracks mid and quarter span. Hairline diagonal cracks between abutment haunch and box girder. ABUT 2 - full width transverse crack SW face 2' below box girder interface.
321	APPROACH SLAB: The western approach roadway has moved approximately 2" transversely to the south relative to the bridge. Slabs have diagonal and pattern cracking.
330	METAL BRIDGE RAIL: Paint is failed throughout.
361	SCOUR - FIELD: Channel is moderate flow to the north. Banks are covered with vegetation, some areas of slumping downstream. Bottom is silty with woody debris. Rip Rap in channel near abutments, does not extend to banks at abutments. Thalweg is 28' from top of deck.
403	POURED RUBBER SEAL: Seals at approach slabs are completely failed. 70% of seal is missing, joints are filled with debris. See Repair -10001
404	COMPRESSION SEAL: D-spalls along length of eastbound lane at east approach. West and east end compression seals are failed. Both seals are loose, torn and filled with debris and vegetation. See Repair - 10001
673	SIDEWALK: NE - void repairs under the approach sidewalk.
675	UTILITIES: North side, 8" gas line with expansion joints.
680	SCOUR: Channel is moderate flow to the north. Banks are covered with vegetation, some areas of slumping downstream. Bottom is silty with woody debris. Rip Rap in channel near abutments, does not extend to banks at abutments. Thalweg is 28' from top of deck.
682	RETAINING WALL: Corners at NW, NE, and SW - gap at the joint between the abutment wall and retaining wall widest tapers widest at bottom. SW and NE have some diagonal leaching cracks. Cracks are widest at bottom and taper to hairline at top of wall.

BRIDGE INSPECTION REPORT

Ver Date: 12/18/2014

Agency: AUBURN

Status: Released

Printed On: 12/18/20

Program Mgr: Roman G. Peralta

Bridge No. AUBURN19

Page: 3/3

Structure Type

Bridge Name LEE HILL BRIDGE

Route 00055

Location .4 MI E HARVEY RD

Structure ID 08079700

MilePost 2.22

Intersecting GREEN RIVER

686 GUARDRAIL:
New NW Rail and terminal.

Repairs

Repair No	Pr	R	Repair Description	Noted	Maint	Verified
10001	1	B		04/11/96		
10002	1	B		06/24/96		
10003	1	B		07/30/02		

Inspections Performed and Resources Required

Report Type	Date	IT	Frg	Hrs	Insp	CertNo	Coinsp	Note
Routine	10/02/14		24	1.0	MAH	G1103	ZZ	
Resources	Use	Hour	Min	Req	Max	Notes		
Equipment	10/02/14	72	1.0	MAH	G1103	ZZ		
Resources	Use	Hour	Min	Req	Max	Notes		
UBIT	60					SDOT UB-60		
Flagging	LA					SDOT Flagging crew		

BRIDGE INSPECTION REPORT

	WO	CC	WE	PD
BAM				

Status: **Released**

Ver Date: 12/18/2014

Printed on: 12/19/2014

Agency: AUBURN

Program Mgr: Roman G. Peralta

Bridge No. AUBURN19

Bridge Name LEE HILL BRIDGE

Structure ID 08079700

Page 1 of 11

Route 00055

MilePost 2.22

Structure Type

Intersecting GREEN RIVER

Location .4 MI E HARVEY RD

AUB-19 ABUT 1

Photographs

Photo Type: (none)

Orientation: W

Dates: 10/2/2014

Repairs:

DISCHARGE PLATE N SIDE



AUB-19 ABUT 2 WEST FACE

Photographs

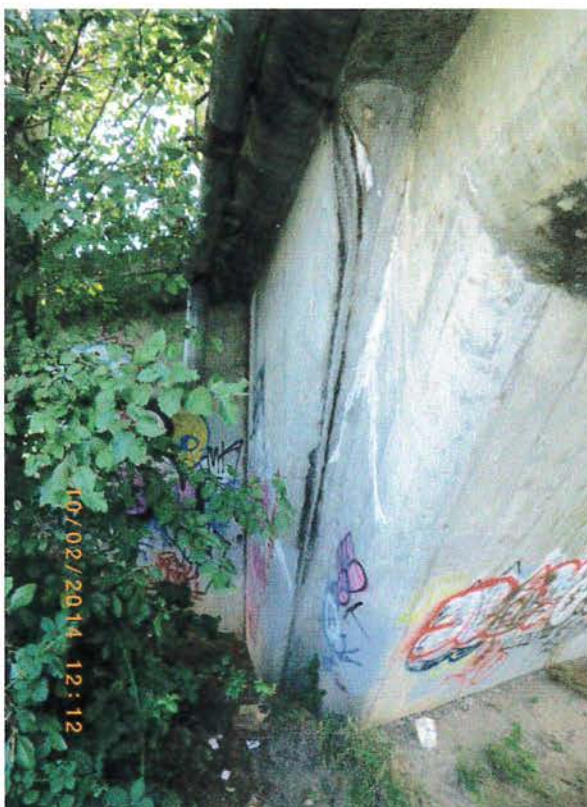
Photo Type: (none)

Orientation: E

Dates: 10/2/2014

Repairs:

LEACHING CRACKS



BRIDGE INSPECTION REPORT

	WO	CC	WE	PD
BAM				

Status: **Released**

Ver Date: 12/18/2014

Printed on: 12/19/2014

Agency: AUBURN

Program Mgr: Roman G. Peralta

Bridge No. AUBURN19

Bridge Name LEE HILL BRIDGE

Structure ID 08079700

Page 2 of 11

Route 00055

MilePost 2.22

Structure Type

Intersecting GREEN RIVER

Location .4 MI E HARVEY RD

AUB-19 ABUTMENT 1

Photographs

Photo Type: (none)

Orientation: W

Dates: 10/2/2014

Repairs:

AND CHANNEL



AUB-19 ABUTMENT 2

Photographs

Photo Type: (none)

Orientation: E

Dates: 10/2/2014

Repairs:

AND CHANNEL



BRIDGE INSPECTION REPORT

	WO	CC	WE	PD
BAM				

Status: **Released**

Ver Date: 12/18/2014

Printed on: 12/19/2014

Agency: AUBURN

Program Mgr: Roman G. Peralta

Bridge No. AUBURN19

Bridge Name LEE HILL BRIDGE

Structure ID 08079700

Page 3 of 11

Route 00055

MilePost 2.22

Structure Type

Intersecting GREEN RIVER

Location .4 MI E HARVEY RD

AUB-19 ABUTMENT 1_1

Photographs

Photo Type: (none)

Orientation: W

Dates: 10/2/2014

Repairs:

CHANNEL WITH RIP RAP



AUB-19 DECK AND RAIL

Photographs

Photo Type: (none)

Orientation: W

Dates: 10/2/2014

Repairs:

FROM EAST APPROACH



BRIDGE INSPECTION REPORT

WO CC WE PD
BAM ☐ ☐ ☐ ☐

Status: **Released**

Ver Date: 12/18/2014

Printed on: 12/19/2014

Agency: AUBURN

Program Mgr: Roman G. Peralta

Bridge No. AUBURN19

Bridge Name LEE HILL BRIDGE

Structure ID 08079700

Page 4 of 11

Route 00055

MilePost 2.22

Structure Type

Intersecting GREEN RIVER

Location .4 MI E HARVEY RD

AUB-19 DECK AND RAILS

Photographs

Photo Type: (none)

Orientation: W

Dates: 10/2/2014

Repairs:

WWITH TRAFFIC SET UP



AUB-19 DECK CRACKS

Photographs

Photo Type: (none)

Orientation: DN

Dates: 10/2/2014

Repairs:

NEAR WEST END



BRIDGE INSPECTION REPORT

	WO	CC	WE	PD
BAM				

Status: **Released**

Ver Date: 12/18/2014

Printed on: 12/19/2014

Agency: AUBURN

Program Mgr: Roman G. Peralta

Bridge No. AUBURN19

Bridge Name LEE HILL BRIDGE

Structure ID 08079700

Page 5 of 11

Route 00055

MilePost 2.22

Structure Type

Intersecting GREEN RIVER

Location .4 MI E HARVEY RD

AUB-19 DECK CRACKS _1

Photographs

Photo Type: (none)

Orientation: DN

Dates: 10/2/2014

Repairs:

DIAGONAL NEAR JOINT



AUB-19 ELEVATION

Photographs

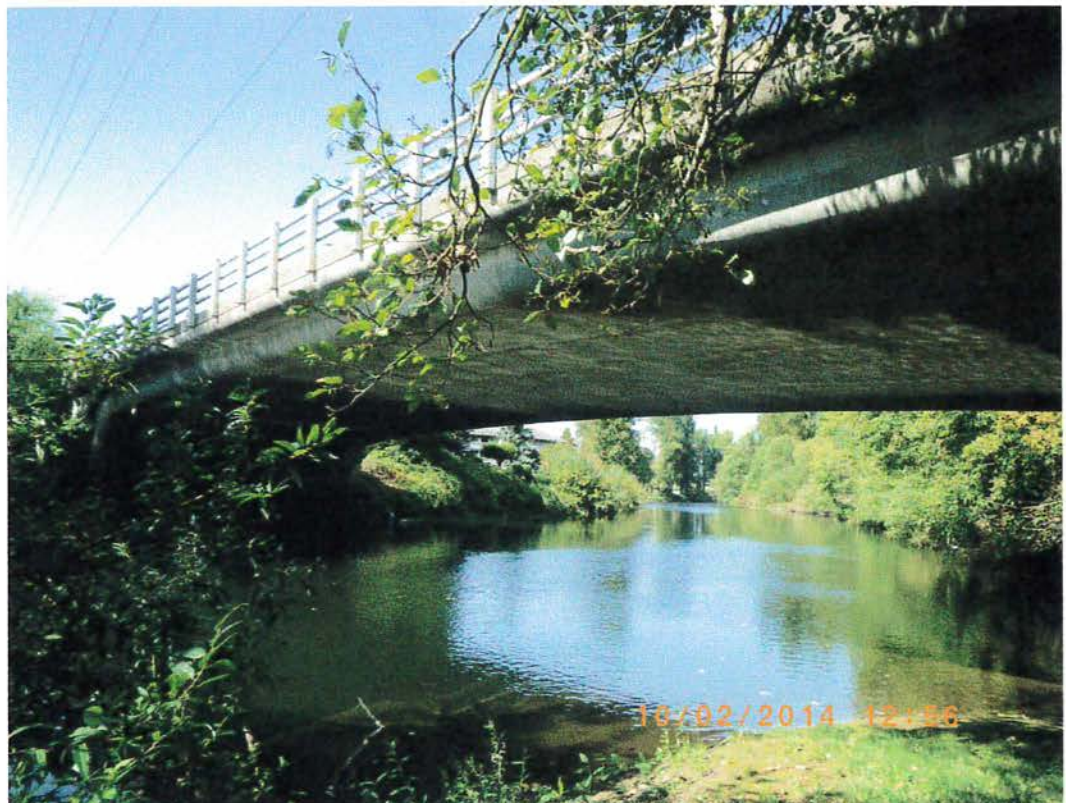
Photo Type: (none)

Orientation: NW

Dates: 10/2/2014

Repairs:

EAST FACE



BRIDGE INSPECTION REPORT

BAM

WO	CC	WE	PD

Status: **Released**

Ver Date: 12/18/2014

Printed on: 12/19/2014

Agency: AUBURN

Program Mgr: Roman G. Peralta

Bridge No. AUBURN19

Bridge Name LEE HILL BRIDGE

Structure ID 08079700

Page 6 of 11

Route 00055

MilePost 2.22

Structure Type

Intersecting GREEN RIVER

Location .4 MI E HARVEY RD

AUB-19 JOINT EAST

Photographs

Photo Type: (none)

Orientation: E

Dates: 10/2/2014

Repairs:

NOTE CRACKS IN DECK



AUB-19 JOINT NORTH

Photographs

Photo Type: (none)

Orientation: E

Dates: 10/2/2014

Repairs:

AT APPROACH SLAB



BRIDGE INSPECTION REPORT

	WO	CC	WE	PD
BAM				

Status: **Released**

Ver Date: 12/18/2014

Printed on: 12/19/2014

Agency: AUBURN

Program Mgr: Roman G. Peralta

Bridge No. AUBURN19

Page 7 of 11

Structure Type

Bridge Name LEE HILL BRIDGE

Route 00055

Intersecting GREEN RIVER

Structure ID 08079700

MilePost 2.22

Location .4 MI E HARVEY RD

AUB-19 JOINT W

Photographs

Photo Type: (none)

Orientation: DN

Dates: 10/2/2014

Repairs:

SECTION OF SEAL MISSING



AUB-19 SOFFIT CRACKS

Photographs

Photo Type: (none)

Orientation: W

Dates: 10/2/2014

Repairs:

NEAR ABUT 1



BRIDGE INSPECTION REPORT

BAM

WO	CC	WE	PD

Status: **Released**

Ver Date: 12/18/2014

Printed on: 12/19/2014

Agency: AUBURN

Program Mgr: Roman G. Peralta

Bridge No. AUBURN19

Bridge Name LEE HILL BRIDGE

Structure ID 08079700

Page 8 of 11

Route 00055

MilePost 2.22

Structure Type

Intersecting GREEN RIVER

Location .4 MI E HARVEY RD

AUB-19 SOFFIT CRACKS_1

Photographs

Photo Type: (none)

Orientation: UP

Dates: 10/2/2014

Repairs:

NEAR MID SPAN



AUB-19 SOFFIT LEACHING CRACKS

Photographs

Photo Type: (none)

Orientation: E

Dates: 10/2/2014

Repairs:

NEAR E END ABUTMENT 2



BRIDGE INSPECTION REPORT

	WO	CC	WE	PD
BAM				

Status: **Released**

Ver Date: 12/18/2014

Printed on: 12/19/2014

Agency: AUBURN

Program Mgr: Roman G. Peralta

Bridge No. AUBURN19

Bridge Name LEE HILL BRIDGE

Structure ID 08079700

Page 9 of 11

Route 00055

MilePost 2.22

Structure Type

Intersecting GREEN RIVER

Location .4 MI E HARVEY RD

AUB-19 SOFFIT LEACHING CRACKS_1

Photographs

Photo Type: (none)

Orientation: UP

Dates: 10/2/2014

Repairs:

NEAR MID SPAN



AUB-19 SOFFIT LEACHING CRACKS_2

Photographs

Photo Type: (none)

Orientation: UP

Dates: 10/2/2014

Repairs:

DIAGONAL NEAR MID-SPAN



BRIDGE INSPECTION REPORT

BAM

WO	CC	WE	PD

Status: **Released**

Ver Date: 12/18/2014

Printed on: 12/19/2014

Agency: AUBURN

Program Mgr: Roman G. Peralta

Bridge No. AUBURN19

Bridge Name LEE HILL BRIDGE

Structure ID 08079700

Page 10 of 11

Route 00055

MilePost 2.22

Structure Type

Intersecting GREEN RIVER

Location .4 MI E HARVEY RD

AUB-19 SOFFIT PATCH

Photographs

Photo Type: (none)

Orientation: UP

Dates: 10/2/2014

Repairs:

NW CORNER



AUB-19 SOFFIT WITH SPALL

Photographs

Photo Type: (none)

Orientation: UP

Dates: 10/2/2014

Repairs:

AND EXPOSED REBAR NE



BRIDGE INSPECTION REPORT

	WO	CC	WE	PD
BAM				

Status: Released

Ver Date: 12/18/2014

Printed on: 12/19/2014

Agency: AUBURN

Program Mgr: Roman G. Peralta

Bridge No. AUBURN19

Page 11 of 11

Structure Type

Bridge Name LEE HILL BRIDGE

Route 00055

Intersecting GREEN RIVER

Structure ID 08079700

MilePost 2.22

Location .4 MI E HARVEY RD

Entry Name	Folder Name	Type	Repairs	Page
AUB-19 ABUT 1	Photographs			1
AUB-19 ABUT 2	Photographs			1
AUB-19 ABUTME	Photographs			2
AUB-19 ABUTME	Photographs			2
AUB-19 ABUTME	Photographs			3
AUB-19 DECK AN	Photographs			3
AUB-19 DECK AN	Photographs			4
AUB-19 DECK CR	Photographs			4
AUB-19 DECK CR	Photographs			5
AUB-19 ELEVATI	Photographs			5
AUB-19 JOINT EA	Photographs			6
AUB-19 JOINT N	Photographs			6
AUB-19 JOINT W	Photographs			7
AUB-19 SOFFIT C	Photographs			7
AUB-19 SOFFIT C	Photographs			8
AUB-19 SOFFIT L	Photographs			8
AUB-19 SOFFIT L	Photographs			9
AUB-19 SOFFIT L	Photographs			9
AUB-19 SOFFIT P	Photographs			10
AUB-19 SOFFIT	Photographs			10

BRIDGE INSPECTION REPORT

Page 1 of 3

 WO CC WE PD
 BAM ☐ ☐ ☐ ☐

Status: Released

Printed On: 1/12/2017

Agency: AUBURN

CD Guid: 7a135f11-b24d-4ada-b5cb-f82e94d91190

CD Date: 12/21/2016

Program Mgr: Roman G. Peralta

Br. No. AUBURN19 SID 08079700

Br. Name LEE HILL BRIDGE

Carrying 8TH STREET NE

Route On 00055

Mile Post 2.22

Intersecting GREEN RIVER

Route Under

Mile Post


 Inspector's Signature SSJ

Cert # B1127 Cert Exp Date 11/1/2017


 Co-Inspector's Signature TTZ

5	<input type="checkbox"/>	Structural Eval (1657)	99	<input type="checkbox"/>	Operating Tons (1552)	1	<input type="checkbox"/>	No Utilities (2675)
5	<input type="checkbox"/>	Deck Geometry (1658)		<input type="checkbox"/>	Op RF (1553)	1	<input type="checkbox"/>	Bridge Rails (1684)
9	<input type="checkbox"/>	Underclearance (1659)	63	<input type="checkbox"/>	Inventory Tons (1555)	0	<input type="checkbox"/>	Transition (1685)
8	<input type="checkbox"/>	Alignment (1661)		<input type="checkbox"/>	Inv RF (1556)	1	<input type="checkbox"/>	Guardrails (1686)
5	<input type="checkbox"/>	Deck Overall (1663)	5	<input type="checkbox"/>	Operating Level (1660)	1	<input type="checkbox"/>	Terminals (1687)
5	<input type="checkbox"/>	Superstructure (1671)	A	<input type="checkbox"/>	Open/Closed (1293)	0.00	<input type="checkbox"/>	Asphalt Depth (2610)
6	<input type="checkbox"/>	Substructure (1676)	8	<input type="checkbox"/>	Waterway (1662)		<input type="checkbox"/>	Des Curb Ht (2611)
9	<input type="checkbox"/>	Culvert (1678)	5	<input type="checkbox"/>	Scour (1680)		<input type="checkbox"/>	Bridge Rail Ht (2612)
7	<input type="checkbox"/>	Chan/Protection (1677)		<input type="checkbox"/>	Soundings Flag (2693)	1973	<input type="checkbox"/>	Year Built (1332)
N	<input type="checkbox"/>	Pier/Abut/Prot (1679)	N	<input type="checkbox"/>	Revise Rating (2688)	0	<input type="checkbox"/>	Year Rebuilt (1336)
9	<input type="checkbox"/>	Drain Cond (7664)		<input type="checkbox"/>	Photos Flag (2691)	Y	<input type="checkbox"/>	Subj to NBIS (2614)
0	<input type="checkbox"/>	Drain Status (7665)		<input type="checkbox"/>	Measure Clrnc (2694)	Alpha Span Type:		
L	<input type="checkbox"/>	Deck Scaling (7666)	7	<input type="checkbox"/>	Sdwk Cond (7673)	<input type="text" value="CBox"/>		
15	<input type="checkbox"/>	Scaling Pct (7667)	9	<input type="checkbox"/>	Paint Cond (7674)	Sufficiency Rating 75.38		
7	<input type="checkbox"/>	Deck Rutting (7669)	6	<input type="checkbox"/>	Approach Cond (7681)	<input type="text" value="Low Risk"/>		
8	<input type="checkbox"/>	Exposed Rebar (7670)	7	<input type="checkbox"/>	Retaining Wall (7682)			
7	<input type="checkbox"/>	Curb Cond (7672)	9	<input type="checkbox"/>	Pier Prot (7683)			

Inspections Performed:

Freq	Hrs	Date	Rep Type
24	1.0	10/21/2016	Routine
			Fract Crit
			UW
			Special
			Interim
			UWI
			Damage
			Safety
			Short Span
			In Depth
			Geometric

BMS Elements

Element	Element Description	Total	Units	State 1	State 2	State 3	State 4
12	Concrete Deck	6,240	SF	3,240	0	3,000	0
105	Concrete Box Girder	130	LF	126	4	0	0
215	Concrete Abutment	96	LF	96	0	0	0
321	Concrete Roadway Approach Slab	4	SF	4	0	0	0
330	Metal Bridge Railing	260	LF	260	0	0	0
361	Scour	2	EA	2	0	0	0
403	Concrete Bulb-T	96	LF	0	0	26	70
404	Compression Seal / Concrete Header	96	LF	0	0	96	0

Notes

0 ORIENTATION: Bridge is West to East. West abutment = pier 1. River flow is to the north.

BRIDGE INSPECTION REPORT

Page 2 of 3

 WO CC WE PD
 BAM ☐ ☐ ☐ ☐

Status: Released

Printed On: 1/12/2017

Agency: AUBURN

CD Guid: 7a135f11-b24d-4ada-b5cb-f82e94d91190

CD Date: 12/21/2016

Program Mgr: Roman G. Peralta

Br. No. AUBURN19 SID 08079700

Br. Name LEE HILL BRIDGE

Carrying 8TH STREET NE

Route On 00055

Mile Post 2.22

Intersecting GREEN RIVER

Route Under

Mile Post

Notes (Continued)

12	CONCRETE DECK: Some minor spalling at north longitudinal joint in west bound lanes. Extensive diagonal and transverse narrow cracks throughout deck - more concentrated at ends of bridge. Map cracking, particularly at middle 2 lanes and east and west 1/3 span. Wheel lines have exposed aggregate with areas of light scaling, mud ball voids scattered throughout. Areas of ponding and debris accumulation along both curbs. See Repair 10003
105	CONCRETE BOX GIRDER: BOTTOM FLANGE: Numerous longitudinal patches approx 10' from box girder edges and middle of bridge; leaching transverse and longitudinal cracks at 1/3 span; multiple transverse cracks near midspan. SE Corner - 4'x1' patch near corner is partially delaminated. 2'x2' spalled area with failed patch remnants, exposed rusted rebars in spall. NE Corner - 2' x 6' strip of patched concrete is delaminated and spalling. WEB: Vertical hairline cracks on rounded box girder corners spaced ~ 9". Some small open spalls ~4-6" diameter. NE corner has ~1/8" crack at construction joint along sidewalk soffit and abutment.
215	CONCRETE ABUTMENT: Heavy leaching at vertical abutment joints. ABUT 1 - several vertical hairline cracks mid and quarter span. Hairline diagonal cracks between abutment haunch and box girder. ABUT 2 - full width transverse crack SW face 2' below box girder interface.
321	APPROACH SLAB: The western approach roadway has moved approximately 2" transversely to the south relative to the bridge. Slabs have diagonal and pattern cracking.
330	METAL BRIDGE RAIL: Paint is failed throughout.
361	SCOUR - FIELD: Channel is moderate flow to the north. Banks are covered with vegetation, some areas of slumping downstream. Bottom is silty with woody debris. Rip Rap in channel near abutments, does not extend to banks at abutments. Thalweg is 28' from top of deck.
403	POURED RUBBER SEAL: Seals at approach slabs are completely failed. 70% of seal is missing, joints are filled with debris. See Repair -10001
404	COMPRESSION SEAL: D-spalls along length of eastbound lane at east approach. West and east end compression seals are failed. Both seals are loose, torn and filled with debris and vegetation. See Repair - 10001
1680	SCOUR: Channel is moderate flow to the north. Banks are covered with vegetation, some areas of slumping downstream. Bottom is silty with woody debris. Rip Rap in channel near abutments, does not extend to banks at abutments. Thalweg is 28' from top of deck.
1686	GUARDRAIL: New NW Rail and terminal.
2675	UTILITIES: North side, 8" gas line with expansion joints.
7666	DECK SCALING SEVERITY: 15% of deck surface has scaling.
7673	SIDEWALK: NE - void repairs under the approach sidewalk.
7682	RETAINING WALL: Corners at NW, NE, and SW - gap at the joint between the abutment wall and retaining wall widest tapers widest at bottom. SW and NE have some diagonal leaching cracks. Cracks are widest at bottom and taper to hairline at top of wall.

Repairs

Repair No	Pr	R	Repair Descriptions	Noted	Maint	Verified
10001	1	B	JOINT: (revised 10/2012)Failed joint filler and compression seals. 1. Clean joints thoroughly.2. Replace compression seals.3. Apply poured rubber seals to approach slab joints.	4/11/1996		
10002	1	B	SIDEWALK: (revised 10/2012)Volded areas under NW sidewalk. 1. remove broken sidewalk panel. 2. Drive sheet pile along voided area to retain fill. 3. Fill void area with crushed rock or CDF.4. Pour new sidewalk panel.	6/24/1996		
10003	1	B	DECK: (revised 10/2012)Narrow to open cracks with areas of scaling and spalls developing throughout deck surface. 1. Epoxy coat the entire bridge deck to seal all cracks. Approximate deck square footage is 10,500 sf.	7/30/2002		

BRIDGE INSPECTION REPORT

Page 3 of 3

WO CC WE PD
BAM ☐ ☐ ☐ ☐

Status: Released

Printed On: 1/12/2017

Agency: AUBURN

CD Guid: 7a135f11-b24d-4ada-b5cb-f82e94d91190

CD Date: 12/21/2016

Program Mgr: Roman G. Peralta

Br. No. AUBURN19 SID 08079700

Br. Name LEE HILL BRIDGE

Carrying 8TH STREET NE

Route On 00055

Mile Post 2.22

Intersecting GREEN RIVER

Route Under

Mile Post

Inspections Performed and Resources Required

<u>Report Type</u>	<u>Date</u>	<u>Frg</u>	<u>Hrs</u>	<u>Insp</u>	<u>CertNo</u>	<u>Coinsp</u>	<u>Note</u>
Routine	10/21/2016	24	1.0	SSJ	B1127	TTZ	

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Status: Released

Printed On: 3/1/2019

Agency: AUBURN

CD Guid: 7028793e-83dd-4db2-b328-9a99c5fbd464

Release Date: 2/20/2019

Program Mgr: Roman G. Peralta

Br. No. AUBURN19

SID 08079700

Br. Name LEE HILL BRIDGE

Carrying 8TH STREET NE

Route On 00055

Mile Post 2.22

Intersecting GREEN RIVER

Route Under

Mile Post

Inspector's Signature MAG

Cert # G1103

Cert Exp Date 5/12/2021

Co-Inspector's Signature HP

5	Structural Eval (1657)	99	Operating Tons (1552)	1	No Utilities (2675)	Inspections Performed: <table border="1"> <thead> <tr> <th>Freq</th><th>Hrs</th><th>Date</th><th>Rep Type</th></tr> </thead> <tbody> <tr> <td>24</td><td>1.0</td><td>10/16/2018</td><td>Routine</td></tr> <tr><td></td><td></td><td></td><td>Fract Crit</td></tr> <tr><td></td><td></td><td></td><td>UW</td></tr> <tr><td></td><td></td><td></td><td>Special</td></tr> <tr><td></td><td></td><td></td><td>Interim</td></tr> <tr><td></td><td></td><td></td><td>UWI</td></tr> <tr><td></td><td></td><td></td><td>Damage</td></tr> <tr><td></td><td></td><td></td><td>PRM Safety</td></tr> <tr><td></td><td></td><td></td><td>SEC Safety</td></tr> <tr><td></td><td></td><td></td><td>Condition</td></tr> <tr><td></td><td></td><td></td><td>Short Span</td></tr> <tr><td></td><td></td><td></td><td>In Depth</td></tr> <tr><td></td><td></td><td></td><td>Geometric</td></tr> </tbody> </table>	Freq	Hrs	Date	Rep Type	24	1.0	10/16/2018	Routine				Fract Crit				UW				Special				Interim				UWI				Damage				PRM Safety				SEC Safety				Condition				Short Span				In Depth				Geometric
Freq	Hrs	Date	Rep Type																																																											
24	1.0	10/16/2018	Routine																																																											
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			Condition																																																											
			Short Span																																																											
			In Depth																																																											
			Geometric																																																											
5	Deck Geometry (1658)		2.94 Op RF (1553)	1	Bridge Rails (1684)																																																									
9	Underclearance (1659)	63	Inventory Tons (1555)	0	Transition (1685)																																																									
8	Alignment (1661)		1.76 Inv RF (1556)	1	Guardrails (1686)																																																									
5	Deck Overall (1663)	5	Operating Level (1660)	1	Terminals (1687)																																																									
5	Superstructure (1671)	A	Open/Closed (1293)	0.00	Asphalt Depth (2610)																																																									
6	Substructure (1676)	8	Waterway (1662)		12.0 Design Curb Ht (2611)																																																									
9	Culvert (1678)	5	Scour (1680)		50.0 Bridge Rail Ht (2612)																																																									
7	Chan/Protection (1677)		Soundings Flag (2693)	1973	Year Built (1332)																																																									
N	Pier/Abut/Prot (1679)	N	Revise Rating (2688)	0	Year Rebuilt (1336)																																																									
9	Drain Cond (7664)		Photos Flag (2691)	Y	Subj to NBIS (2614)																																																									
0	Drain Status (7665)		Measure Clrnc (2694)																																																											
L	Deck Scaling (7666)	7	Sdwk Cond (7673)																																																											
15	Scaling Pct (7667)	9	Paint Cond (7674)																																																											
7	Deck Rutting (7669)	6	Approach Cond (7681)																																																											
8	Exposed Rebar (7670)	7	Retaining Wall (7682)																																																											
7	Curb Cond (7672)	9	Pier Prot (7683)																																																											
				Alpha Span Type: <div>CBox</div>																																																										
				Sufficiency Rating 75.38 <div>Low Risk</div>																																																										

BMS Elements

Element	Element Description	Total	Units	State 1	State 2	State 3	State 4
12	Concrete Deck	7,824	SF	7,074	0	750	0
105	Concrete Box Girder	138	LF	134	4	0	0
215	Concrete Abutment	123	LF	123	0	0	0
321	Concrete Roadway Approach Slab	3,104	SF	3,089	0	15	0
330	Metal Bridge Railing	326	LF	326	0	0	0
361	Scour	2	EA	2	0	0	0
404	Compression Seal / Concrete Header	136	LF	0	0	136	0
417	Silicone Rubber Joint Filler	136	LF	0	0	40	96

Notes

- 0 ORIENTATION:
 Bridge is west to east. West abutment = pier 1.
 Green River flows to the north.

BRIDGE INSPECTION REPORT

Page 2 of 4

Status: Released
 CD Guid: 7028793e-83dd-4db2-b328-9a99c5fbd464

Printed On: 3/1/2019
 Release Date: 2/20/2019

Agency: AUBURN
 Program Mgr: Roman G. Peralta

Br. No. AUBURN19	SID 08079700	Br. Name LEE HILL BRIDGE	
Carrying 8TH STREET NE		Route On 00055	Mile Post 2.22
Intersecting GREEN RIVER		Route Under	Mile Post

Notes (Continued)

11	LOAD RATING: Controlling Point - Box Girder Moment Shear Update load rating to include AASHTO NRL rating factors.
12	CONCRETE DECK: Widespread diagonal and transverse narrow cracks throughout deck, pattern cracking in the middle two lanes, all cracking is more concentrated near the east and west 1/3 ends of deck. Wheel lines have exposed aggregate with areas of light scaling, mud ball voids scattered throughout. Minor spalling at north longitudinal joint in west bound lanes. See Repair 10003 Calculated limits of deck area include 12'-6" approach slab at each end. Measure from compression seals for accurate deck length.
105	CONCRETE BOX GIRDER: BOTTOM FLANGE: Transverse leaching cracks throughout, more concentrated near mid-span. SE corner - 4'x1' patch is partially delaminated, 2'x2' spalled area with failed patch remnants, exposed rusted rebars in spall. NE corner - 2' x 6' strip of patched concrete is delaminated and spalling. Scattered various sized patches through deck soffit. WEB: Vertical hairline cracks, some are leaching, on rounded box girder corners. Some small open spalls ~4-6" diameter. NE corner ~1/8" open crack at construction joint along sidewalk soffit and abutment.
215	CONCRETE ABUTMENT: This Bridge has a flat arch design, abutment walls are battered as part of the arch. Leaching at vertical abutment joints. ABUT 1 - several vertical hairline cracks mid and quarter span. Hairline diagonal cracks between abutment haunch and box girder. Full width transverse crack SW face 2' below box girder interface. ABUT 2 - several vertical hairline cracks in abutment wall, NE corner leaching cracks near retaining wall joint.
321	APPROACH SLAB: All slabs have diagonal and pattern cracking and are worn to aggregate in the wheel lines. West Slab - west approach, the western approach roadway has moved approximately 2" transversely to the south relative to the bridge. East Slab - widens at east end at north intersection.
330	METAL BRIDGE RAIL: Paint is failed throughout. Surface rust is developing on rails and posts.
361	SCOUR - FIELD: Channel has slow to moderate velocity flow to the north. Banks are covered with vegetation, some areas of slumping downstream. Channel bottom is silty with some woody debris.
404	COMPRESSION SEAL: Expansion joints are located 1'-3" from flat arch hinge point location. Seals at bridge joints are failed; both are loose, torn with missing sections. Open joints are filled with debris and vegetation. See Repair - 10001 East approach -D-spalls along length of eastbound lane at joint.
417	RUBBER JOINT FILLER: Located 12'-6" from compression seals within main span. Seals at approach slabs are completely failed; 70% of seal is missing, joints are filled with debris. See Repair -10001
1663	DECK OVERALL: Areas of ponding and debris accumulation along both curbs. Widespread cracking throughout deck, scaling along construction joints.
1671	SUPERSTRUCTURE CONDITION: Superstructure is coded fair condition due to spalls and failed patches, some with exposed rusted rebar.

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Agency: AUBURN

Program Mgr: Roman G. Peralta

Mile Post

1677	CHANNEL PROTECTION: Rip Rap in channel near abutments - does not extend up to channel banks at abutments. Soundings taken in 2018 indicate thalweg; located at mid-span measured 31' from top of rail.
1680	SCOUR OFFICE: Flat arch structure, Hinge point - top of footings EL is 55.60' Footings caps measure 4'-6" deep, are in-battered founded on 2 rows of 17 in-battered piles and one row of 12 out-battered piles - all piles are CIP 14" dia. concrete piles.
1686	GUARDRAILS: No defects noted.
1687	TERMINALS: NW guardrail does not transition to the bridge rail. Terminal end is placed at the west end of the bridge rail.
2675	UTILITIES: North side, 8" gas line with expansion joints.
7666	DECK SCALING SEVERITY: Areas of scaling up to 1/4" deep scattered through deck surface primarily in wheel lines.
7673	SIDEWALK: Few traffic scrapes along the edge of sidewalks. NE approach sidewalk; a void is developing at the end of the bridge retaining wall due to soil sloughing.
7682	RETAINING WALL: Corners at NW, NE, and SW - gap at the joint between the abutment wall and retaining wall. Gaps are widest at bottom. SW and NE have some diagonal leaching cracks. Cracks are widest at bottom and taper to hairline at top of wall.

Repair No	Pr	R	Repair Descriptions	Noted	Maint	Verified
10001	1	B	JOINT: (revised 10/2012) Failed joint filler and compression seals. 1. Clean joints thoroughly. 2. Replace compression seals. 3. Apply poured rubber seals to approach slab joints.	4/11/1996		
10002	1	B	SIDEWALK: (revised 10/2012) Voided areas under NW sidewalk. 1. remove broken sidewalk panel. 2. Drive sheet pile along voided area to retain fill. 3. Fill void area with crushed rock or CDF. 4. Pour new sidewalk panel.	6/24/1996		10/16/2018
10003	1	B	DECK: (revised 10/2012) Narrow cracks with areas of scaling and spalls developing throughout deck surface. 1. Epoxy coat the entire bridge deck to seal all cracks.	7/30/2002		

[illegible]

BRIDGE INSPECTION REPORT

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Status: Released

Printed On: 3/1/2019

Agency: AUBURN

CD Guid: 7028793e-83dd-4db2-b328-9a99c5fbd464

Release Date: 2/20/2019

Program Mgr: Roman G. Peralta

Br. No. AUBURN19 **SID** 08079700**Br. Name** LEE HILL BRIDGE**Carrying** 8TH STREET NE**Route On** 00055**Mile Post** 2.22**Intersecting** GREEN RIVER**Route Under****Mile Post****Inspections Performed and Resources Required (Continued)**Report TypeDateFreqHrsInspCertNoCoinspNote

Flagging

SDOT Flagging crew

BRIDGE INSPECTION REPORT

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Route On 00055

Mile Post 2.22

Intersecting GREEN RIVER

Route Under

Mile Post

PHOTO: AUB-19
10-16-2018 MAG
(29) ELEVATION
{root}

Photo Type: E - Elevation

Orientation: E

Date: 10/16/2018

Repairs:

REMARKS: North face



PHOTO: AUB-
19_10-16-
2018_HP (4)
DECK AND RAILS
{root}

Photo Type: D - Deck

Orientation: W

Date: 10/16/2018

Repairs:

REMARKS: From NE corner of deck



BRIDGE INSPECTION REPORT

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Carrying 8TH STREET NE

Route On 00055

Mile Post 2.22

Intersecting GREEN RIVER

Route Under

Mile Post

PHOTO: AUB-
19_10-16-
2018_HP (30)
ABUT 1

{root}

Photo Type: G - General

Orientation: W

Date: 10/16/2018

Repairs:

REMARKS: some graffiti, sandy banks
with scattered riprap



PHOTO: AUB-
19_10-16-
2018_HP (23)
ABUT1 VLC

{root}

Photo Type: G - General

Orientation: DN

Date: 10/16/2018

Repairs:

REMARKS: Vertical leaching crack in
abutment wall



BRIDGE INSPECTION REPORT

Page 3 of 11

Status: Released

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Br. Name LEE HILL BRIDGE

Carrying 8TH STREET NE

Route On 00055

Mile Post 2.22

Intersecting GREEN RIVER

Route Under

Mile Post

PHOTO: AUB-
19_10-16-
2018_HP (20)
ABUT 2

{root}

Photo Type: G - General

Orientation: E

Date: 10/16/2018

Repairs:

REMARKS: Graffiti, sandy banks



PHOTO: AUB-19
10-16-2018 MAG
(43) ABUT 2
GARBAGE

{root}

Photo Type: G - General

Orientation: N

Date: 10/16/2018

Repairs:

REMARKS: Graffiti and garbage



BRIDGE INSPECTION REPORT

Page 4 of 11

Status: Released
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Program Mgr: Roman G. Peralta

Br. No. AUBURN19 **SID** 08079700
Carrying 8TH STREET NE
Intersecting GREEN RIVER

Br. Name LEE HILL BRIDGE

Route On 00055 **Mile Post** 2.22
Route Under **Mile Post**

PHOTO: AUB-19
10-16-2018 MAG
(42) CRACK
ABUT 2 NE

{root}

Photo Type: G - General

Orientation: UP

Date: 10/16/2018

Repairs:

REMARKS: Leaching crack at top NW
corner of abutment - retaining wall
interface

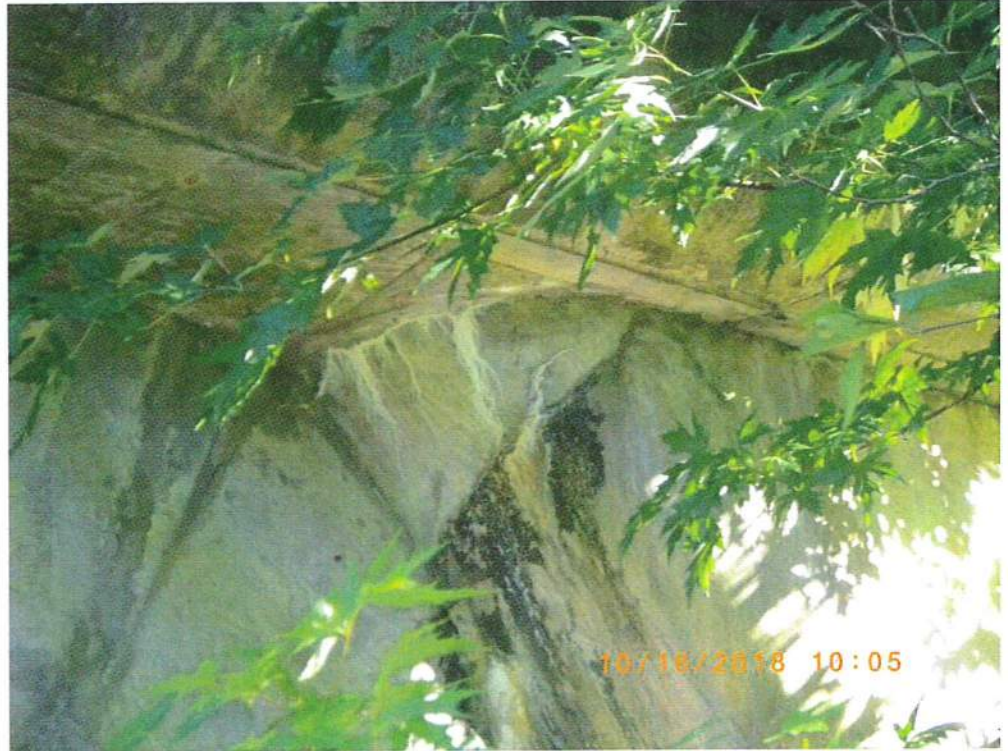


PHOTO: AUB-19
10-16-2018 MAG
(6) DECK
SCALING

{root}

Photo Type: D - Deck

Orientation: DN

Date: 10/16/2018

Repairs: 10003

REMARKS: Area of scaling with exposed
rebar



BRIDGE INSPECTION REPORT

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Status: Released

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Carrying 8TH STREET NE

Route On 00055

Mile Post 2.22

Intersecting GREEN RIVER

Route Under

Mile Post

PHOTO: AUB-19_10-16-2018_HP (39)
DECK CRACKS

{root}

Photo Type: D - Deck

Orientation: DN

Date: 10/16/2018

Repairs: 10003

REMARKS: East end of EB lane
widespread cracking typical



PHOTO: AUB-19_10-16-2018_MAG (14)
JOINT W

{root}

Photo Type: R - Repair

Orientation: E

Date: 10/16/2018

Repairs: 10001

REMARKS: Compression seal with
missing section



BRIDGE INSPECTION REPORT

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Status: Released
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Br. Name LEE HILL BRIDGE

Carrying 8TH STREET NE

Route On 00055

Mile Post 2.22

Intersecting GREEN RIVER

Route Under

Mile Post

PHOTO: AUB-19
10-16-2018 MAG
(45) JOINT E

{root}

Photo Type: R - Repair

Orientation: N

Date: 10/16/2018

Repairs: 10001

REMARKS: Compression seal is loose
and rolled in joint



PHOTO: AUB-19
10-16-2018 MAG
(7) SIDEWALK
AND RAILS

{root}

Photo Type: G - General

Orientation: W

Date: 10/16/2018

Repairs:

REMARKS: Paint failed on rails, areas of
surface rust developing



BRIDGE INSPECTION REPORT

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Route On 00055

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Route Under

Mile Post

PHOTO: AUB-
19_10-16-
2018_HP (25)
TERMINAL NW

{root}

Photo Type: G - General

Orientation: W

Date: 10/16/2018

Repairs:

REMARKS: NW guardrail terminal is
located at bridge rail



PHOTO: AUB-19
10-16-2018 MAG
(38) BOX
BOTTOM
FLANGE

{root}

Photo Type: G - General

Orientation: UP

Date: 10/16/2018

Repairs:

REMARKS: scattered leaching cracks
throughout bottom flange of box girder



BRIDGE INSPECTION REPORT

Page 8 of 11

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Agency: AUBURN
Program Mgr: Roman G. Peralta

Br. No. AUBURN19 **SID** 08079700
Carrying 8TH STREET NE
Intersecting GREEN RIVER

Br. Name LEE HILL BRIDGE

Route On 00055 **Mile Post** 2.22
Route Under **Mile Post**

PHOTO: AUB-19
10-16-2018 MAG
(39) BOX SPALL
SE

{root}

Photo Type: G - General

Orientation: UP

Date: 10/16/2018

Repairs:

REMARKS: SE corner of bottom flange
spall with exposed rebar.



PHOTO: AUB-19
10-16-2018 MAG
(33) NE
SIDEWALK

{root}

Photo Type: M - Monitor

Orientation: UP

Date: 10/16/2018

Repairs:

REMARKS: Sloughing under NE corner
of approach sidewalk at NE retaining wall



BRIDGE INSPECTION REPORT

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Status: Released

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Carrying 8TH STREET NE

Route On 00055

Mile Post 2.22

Intersecting GREEN RIVER

Route Under

Mile Post

PHOTO: AUB-19
10-16-2018 MAG
(9) CHANNEL DS

{root}

Photo Type: G - General

Orientation: N

Date: 10/16/2018

Repairs:

REMARKS: downstream channel well vegetated



PHOTO: AUB-19
10-16-2018 MAG
(19) RIP RAP

{root}

Photo Type: G - General

Orientation: E

Date: 10/16/2018

Repairs:

REMARKS: Scattered riprap submerged at abutment 1



BRIDGE INSPECTION REPORT

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PHOTO: AUB-19
10-16-2018 MAG
(11) DECK SCALE

{root}

Photo Type: D - Deck

Orientation: S

Date: 10/16/2018

Repairs: 10003

REMARKS: Deck cracks and scaling
along construction joint



BRIDGE INSPECTION REPORT

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Carrying 8TH STREET NE					Route Under	Mile Post		
Intersecting GREEN RIVER								
Entry Name	Folder Name				Type	Repairs		Page
PHOTO: AUB-19 10-16-2018 MAG (29) ELEVATION	{root}				E			1
PHOTO: AUB-19_10-16- 2018_HP (4) DECK AND RAILS	{root}				D			1
PHOTO: AUB-19_10-16- 2018_HP (30) ABUT 1	{root}				G			2
PHOTO: AUB-19_10-16- 2018_HP (23) ABUT1 VLC	{root}				G			2
PHOTO: AUB-19_10-16- 2018_HP (20) ABUT 2	{root}				G			3
PHOTO: AUB-19 10-16-2018 MAG (43) ABUT 2 GARBAGE	{root}				G			3
PHOTO: AUB-19 10-16-2018 MAG (42) CRACK ABUT 2 NE	{root}				G			4
PHOTO: AUB-19 10-16-2018 MAG (6) DECK SCALING	{root}				D	10003		4
PHOTO: AUB-19_10-16- 2018_HP (39) DECK CRACKS	{root}				D	10003		5
PHOTO: AUB-19 10-16-2018 MAG (14) JOINT W	{root}				R	10001		5
PHOTO: AUB-19 10-16-2018 MAG (45) JOINT E	{root}				R	10001		6
PHOTO: AUB-19 10-16-2018 MAG (7) SIDEWALK AND RAILS	{root}				G			6
PHOTO: AUB-19_10-16- 2018_HP (25) TERMINAL NW	{root}				G			7
PHOTO: AUB-19 10-16-2018 MAG (38) BOX BOTTOM FLANGE	{root}				G			7
PHOTO: AUB-19 10-16-2018 MAG (39) BOX SPALL SE	{root}				G			8
PHOTO: AUB-19 10-16-2018 MAG (33) NE SIDEWALK	{root}				M			8
PHOTO: AUB-19 10-16-2018 MAG (9) CHANNEL DS	{root}				G			9
PHOTO: AUB-19 10-16-2018 MAG (19) RIP RAP	{root}				G			9
PHOTO: AUB-19 10-16-2018 MAG (11) DECK SCALE	{root}				D	10003		10